Space and Naval Warfare Systems Center Atlantic

Afloat Networks & Computing at the Tactical Edge
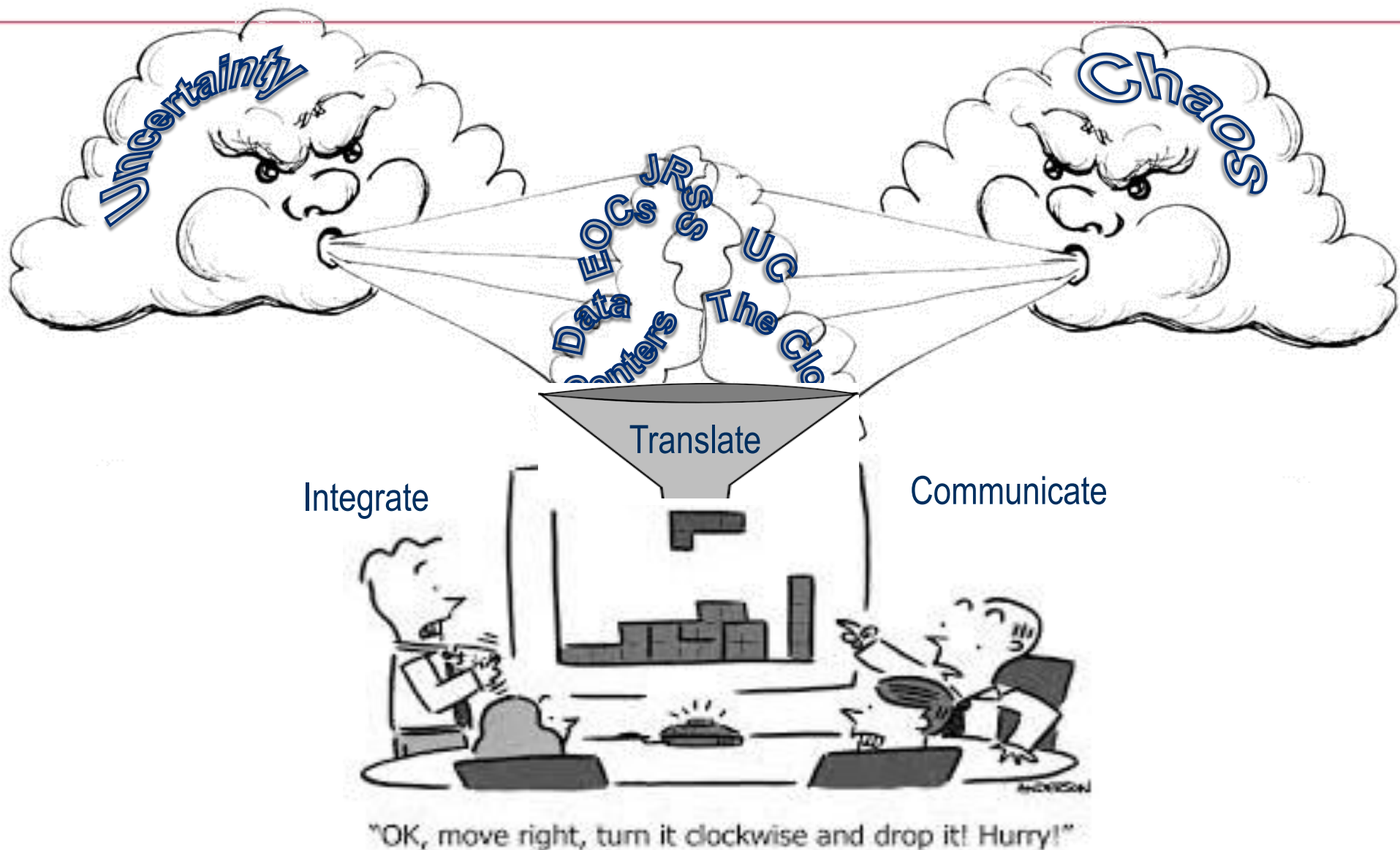
Presented to:
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C5ISR Conference

Mr. John D. Lillard
Command Mission Architect
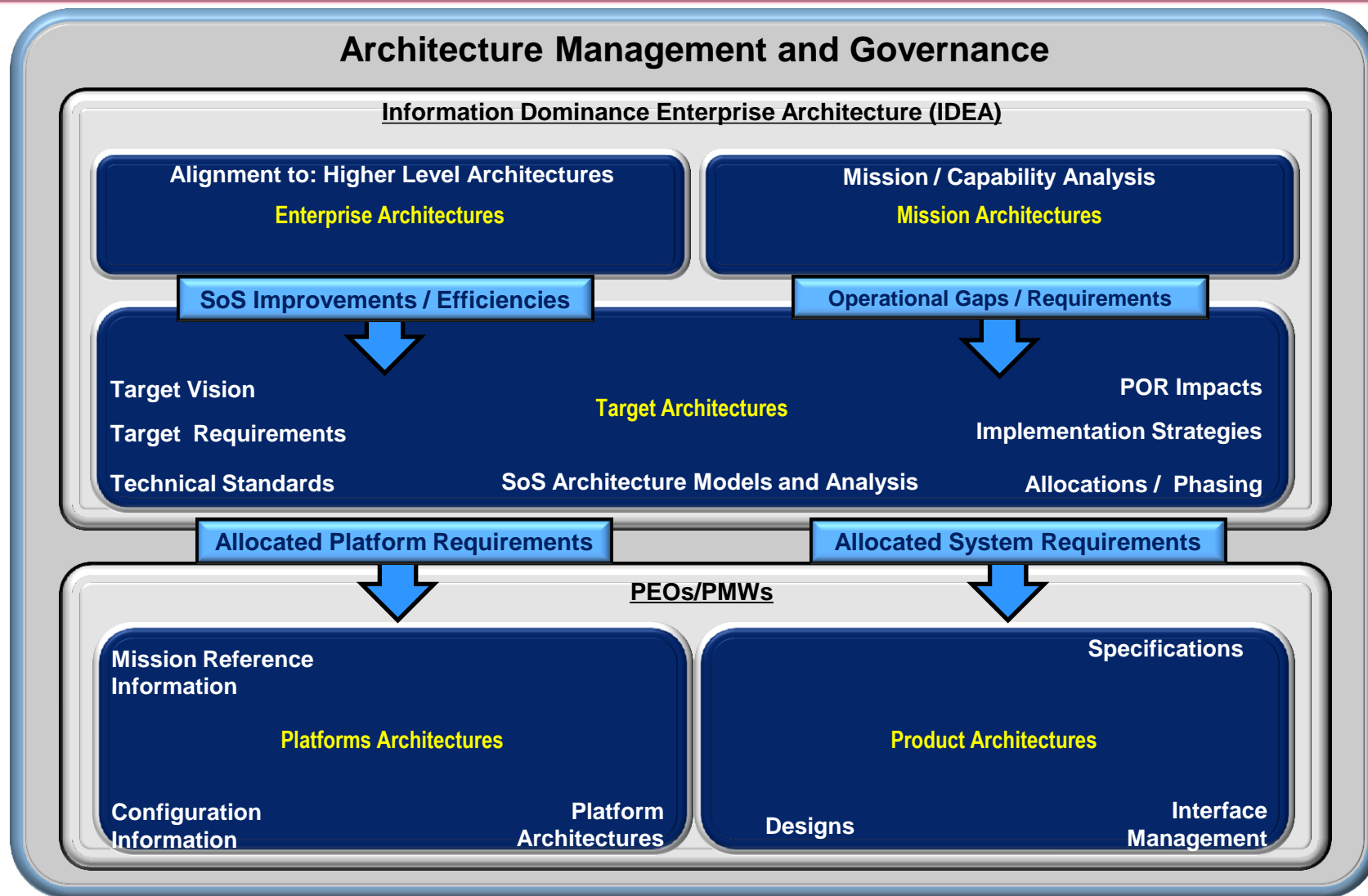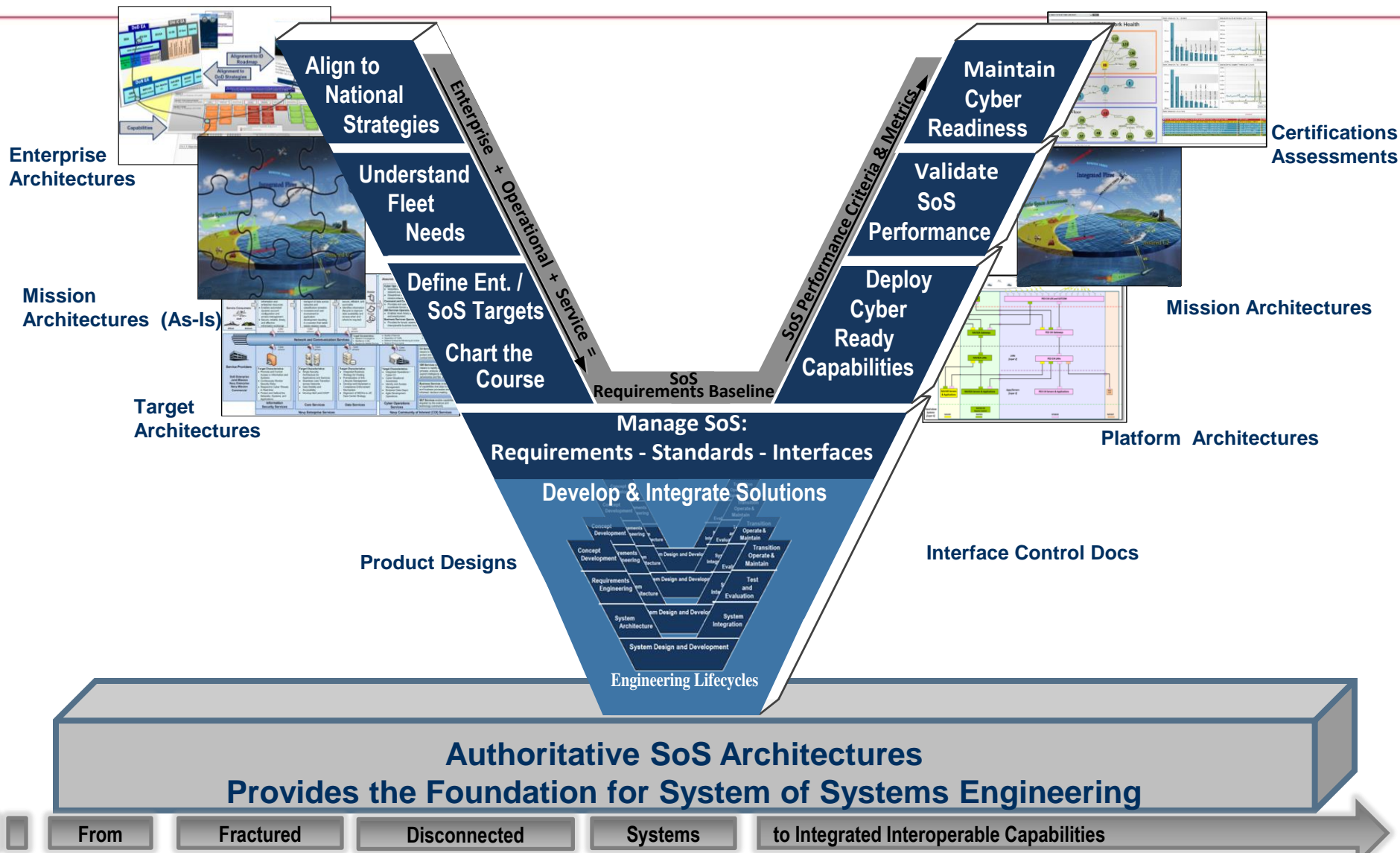
It's a Mad Mad World in Navy IT

Architecting Brings Order to the Chaos

Uncertainty

Chaos

Data Centers   EOCs   JRSS   UC   The Cloud

Translate

Integrate

Communicate

"OK, move right, turn it clockwise and drop it! Hurry!"

What do we Translate - Integrate -Communicate?

Architecture Management and Governance

Information Dominance Enterprise Architecture (IDEA)

Alignment to: Higher Level Architectures

Enterprise Architectures

Mission / Capability Analysis

Mission Architectures

SoS Improvements / Efficiencies

Operational Gaps / Requirements

Target Architectures

Target Vision

Target Requirements

Technical Standards

SoS Architecture Models and Analysis

POR Impacts

Implementation Strategies

Allocations / Phasing

Allocated Platform Requirements

Allocated System Requirements

PEOs/PMWs

Mission Reference Information

Platforms Architectures

Configuration Information

Platform Architectures

Specifications

Product Architectures

Designs

Interface Management

How do we Translate - Integrate -Communicate?

Enterprise Architectures

Mission Architectures (As-Is)

Target Architectures

Product Designs

Certifications Assessments

Mission Architectures

Platform Architectures

Interface Control Docs

Align to National Strategies

Understand Fleet Needs

Define Ent. / SoS Targets

Chart the Course

Enterprise + Operational + Service =

SoS Requirements Baseline

Manage SoS: Requirements - Standards - Interfaces

Develop & Integrate Solutions

Engineering Lifecycles

SoS Performance Criteria & Metrics

Maintain Cyber Readiness

Validate SoS Performance

Deploy Cyber Ready Capabilities

Authoritative SoS Architectures
Provides the Foundation for System of Systems Engineering

| From | Fractured | Disconnected | Systems | to Integrated Interoperable Capabilities |

We deliver Information Dominance
Enable Warfighters to secure America and promote global freedom.

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